THOY

Catalog 1992 $2.00

Manufacturer of Model Rocket Kits

Tiffany Hobbies of Ypsilanti

Tiffany Hobbies of Ypsilanti

Greetings, Advanced Rocketeers,

Tiffany Hobbies of Ypsilanti would like to welcome you to our 1992 catalog. In this catalog you will find our company's collection of high-quality, high-tech kits and rocket parts. We have kits that are designed for the beginner as well as advanced rocketeers.

All Tiffany Hobbies kits come complete with the following:

- Heavy duty motor mounts
- High strength body tubes
- High quality launch lugs
- Plastic nose cones
- Pre-cut aircraft grade plywood fins
- High quality plywood centering rings
- Elastic shock cords sewn to a braided steel shock cord mount cable
- Rip-stop nylon parachutes with a small shock cord sewn on
- Fin mounting through-the-wall to the motor mount
- Complete easy to follow instructions

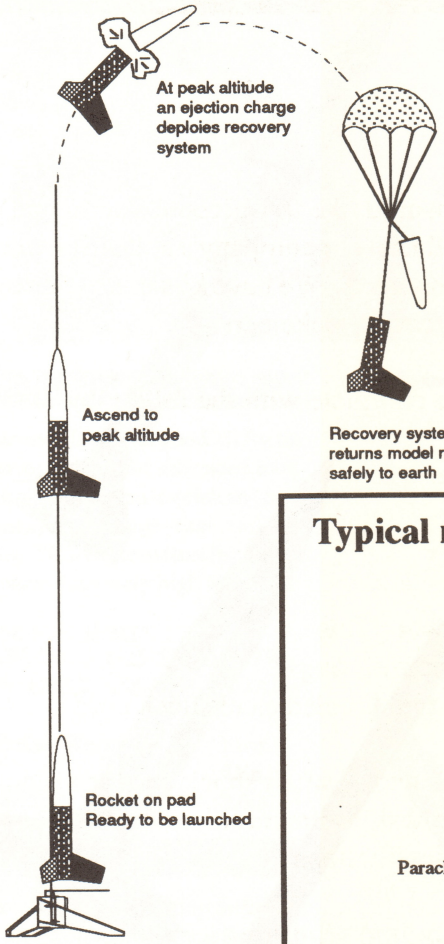
Not included in these kits are motors, finishing supplies, adhesives, and launch systems.

Thank you very much for your interest.

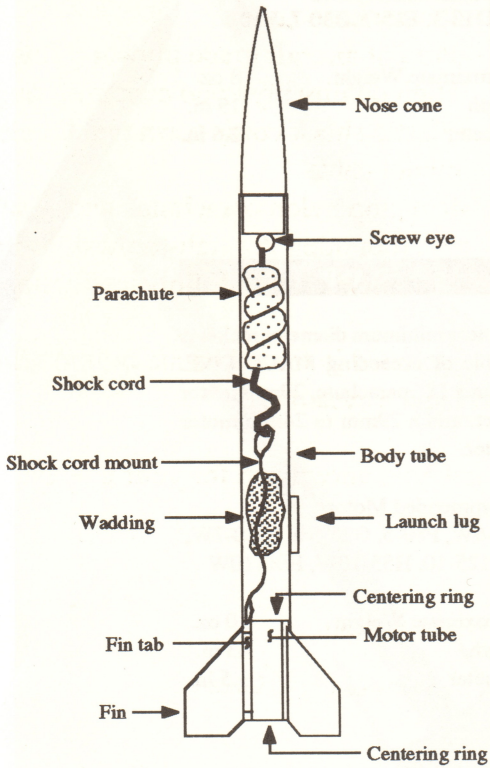
Richard S. Rau

Richard S. Rau

TYPICAL MODEL ROCKET FLIGHT



Typical rocket configuration



ROBIN

Fun to build and fun to fly. Features fast assemble, sporty appearance, and economical 24mm. motors.

Recommended Motors:
D12-5, E15-7, E30-7,
F32-10, F44-10

Approximate Weight	9 oz.
Length	26 in.
Diameter	1.5 in.

WREN

This sporty little flier uses low-cost 24mm. motors. Features fast assembly, parachute recovery, and flight-after-flight fun.

Recommended Motors:
D12-5, E15-7, E30-7, E50-5

Approximate Weight	8 oz.
Length	19 in.
Diameter	2.6 in.

WASP

This near minimum diameter rocket is capable of exceeding MACH ONE. Features 18" parachute, 29mm motor mount, and a 29mm to 24mm motor adapter.

Recommended Motors:
F25-6W, F80-5, G25-5W, G40-7W,
G125-10, H55-10W, H90-10W

Approximate Weight	10 oz.
Length	43 in.
Diameter	1.5 in.

Jim Robinson with his Sparrow Hawk

SPARROW HAWK

The Sparrow Hawk is a good kit for the beginner as well as the advanced rocketeer. The construction is quick and easy and features through-the-wall fin mounting. With larger motors this rocket may achieve extremely high altitudes.

Recommended Motors:
F25-6W, F80-5, G25-5W, G40-7W, G40-7W, G80-7, H55-10W, H70-10W

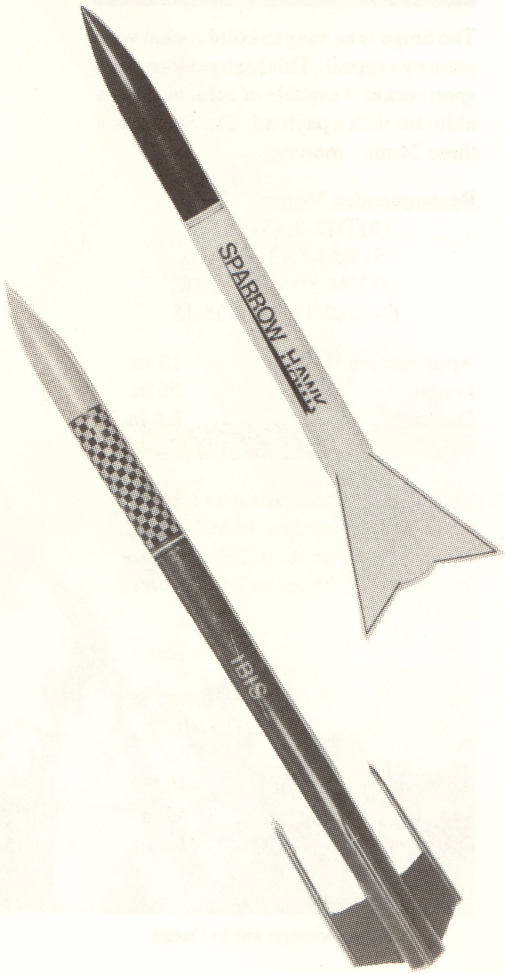
Approximate Weight	14oz.
Length	41in.
Diameter	2.6in.

IBIS

The Ibis is a futuristic looking rocket. It will get attention wherever it is flown. It has a 10" payload section and a 29mm. motor mount.

Recommended Motors:
F25-6, F50-6, F80-5,G25-5, G40-7, G80-7, H55-10, H70-10, H120-10

Approximate Weight	18oz
Length	58in.
Diameter	2.6in.



PEACOCK

The spectators will stand in awe as the Peacock bolts into the sky. This is a very stable flying rocket that can achieve very high altitudes. This rocket is appropriate for beginners as well as the more advanced rocketeers.

Recommended Motors:
F25-6, F50-6, F80-5, G25-5,G40-7, G80-7, H55-10, H70-10, H120-10

Approximate Weight	18oz.
Length	50 in.
Diameter	2.6 in.

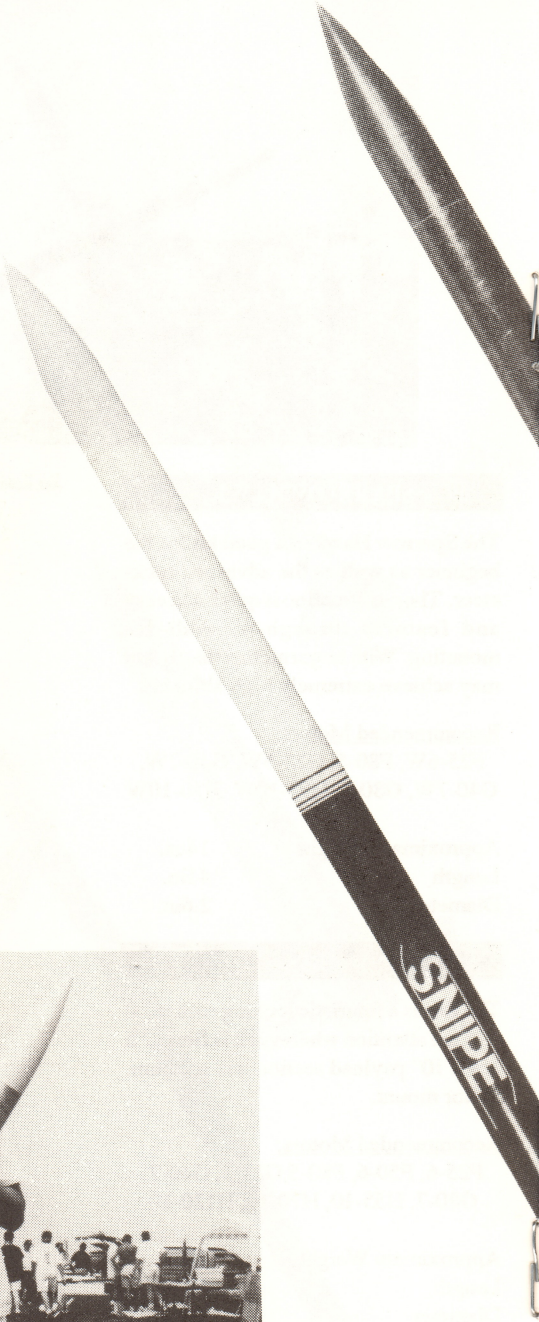
SNIPE

The Snipe is an easy to build rocket with great eye appeal. This high performance sport rocket is capable of achieving high altitudes with a payload. The Snipe uses three 24mm. motors.

Recommended Motors:
(3) D12-3, (3) E15-7, (3) E30-7, (3) F32-10, (3) F44-10, (3) F72-10, (3) G42-12, (3) G55-15

Approximate Weight	18 oz.
Length	56 in.
Diameter	2.6 in.

Michael Kiesinger with his Phoenix

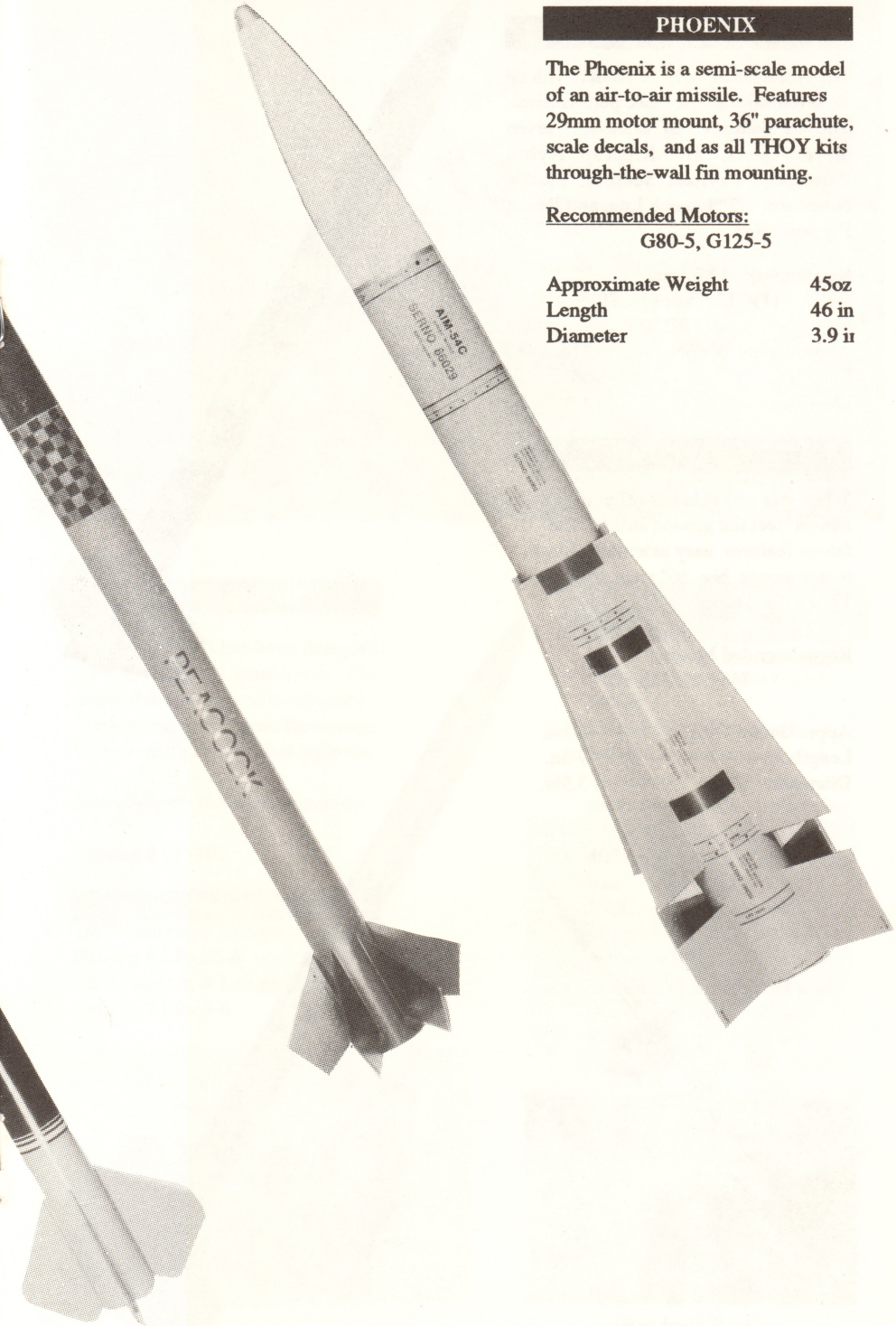


PHOENIX

The Phoenix is a semi-scale model of an air-to-air missile. Features 29mm motor mount, 36" parachute, scale decals, and as all THOY kits through-the-wall fin mounting.

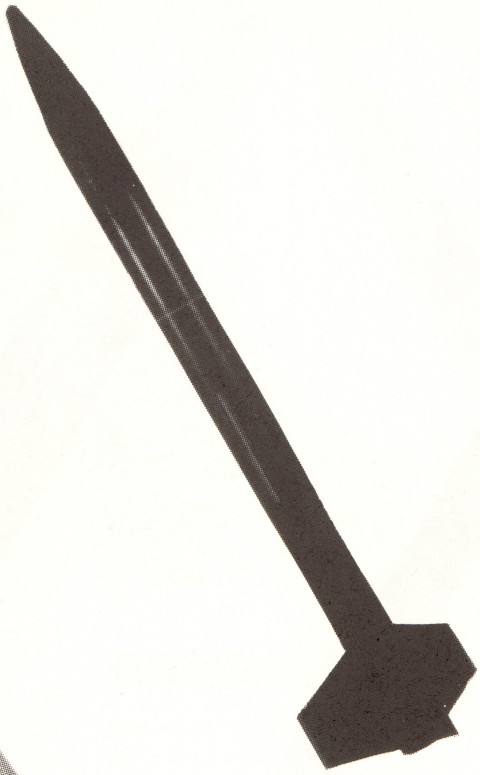
Recommended Motors:
G80-5, G125-5

Approximate Weight	45oz
Length	46 in
Diameter	3.9 in



NIGHT HAWK

The Night Hawk May be loaded with up to seven motors for peak performance. The kit features fast assembly, seven motor tubes, 36" Ripstop Nylon Parachute, Payload Section, Plastic Nosecone, 1/2" Launch Lug, and Precut Plywood fins.



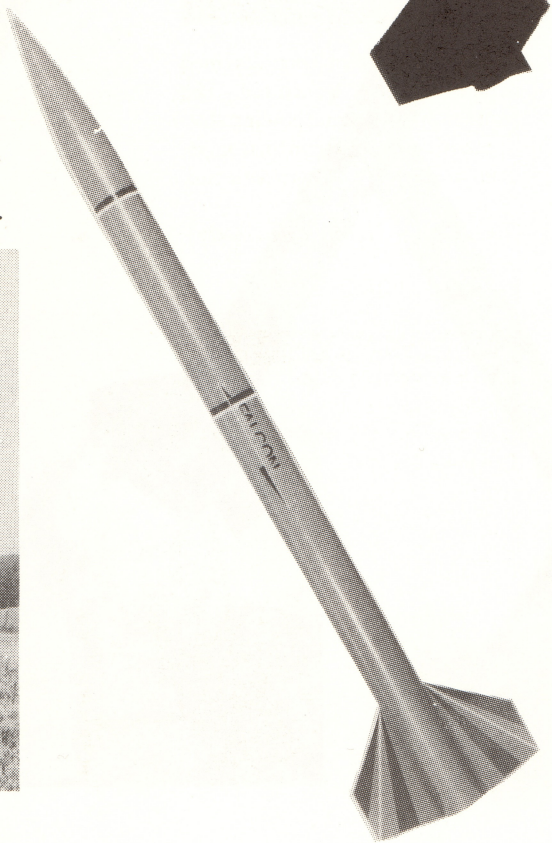
Recommended Motors:

(1)G125-5 or (3)G80-7
or (7)F25-12

Approximate Weight	31oz.
Length	58in.
Diameter	3.9in.

FALCON

When this rocket blasts off you can almost feel the ground shake. The falcon features easy assembly, 54mm motor mount, big 36" parachute, and a 17" Payload tube.

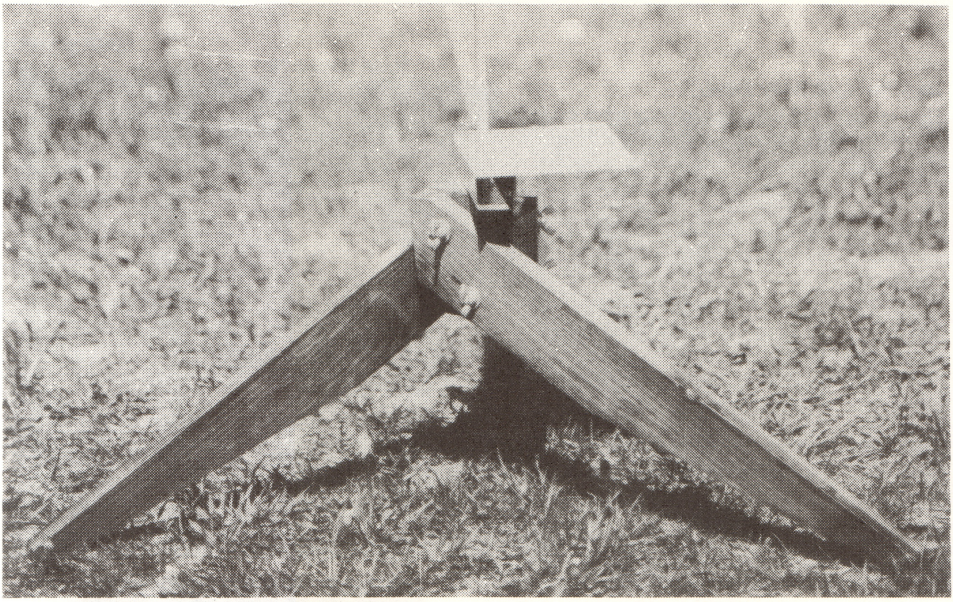


Recommended Motors:

I65-10, J125-10

Approximate Weight	30oz.
Length	74in.
Diameter	3.9in.

Dave Wald with his Ibis



LAUNCH PAD

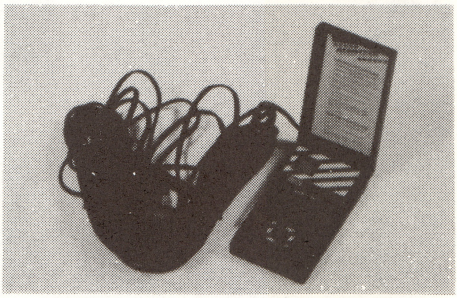
This launch pad has been designed for a 1/4" or 1/2" launch rod. The angle of the launch rod is adjustable. The legs can be collapsed for storage. Comes with a 5" x 7" blast deflector.

Note: Launch rod sold separately

Catalog # LP-102

Stainless Steel Launch Rod

1/4"Diameter, 6' Length
Catalog # LR-.25-6
1/2"Diameter, 6' Length
Catalog # LR-.5-6



Interlock™ Launch Controller By Aerotech

- Flip-up cover guards launch button
- Launch procedure check list
- Safety key and storage well
- Key Eject™ safety system prevents controller from being left in armed condition
- 40ft. of power cord to launch pad
- Igniter clip for use with Copperhead™ single lead igniter
- Warning tone produced when launch controller is armed
- High visibility graphics
- Durable black polymer case

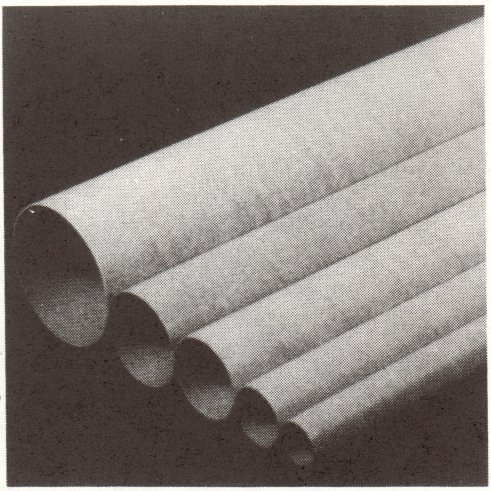
Flash Bulb Ignitors By Robby Rockets

Reliable Ignitors in three lengths
10" Ignitors-Part Number FBI-10
12" Ignitors-Part Number FBI-12
15" Ignitors-Part Number FBI-15

High Strength Body Tubes

High strength and light-weight body tubes made to the rigid specifications needed for High Power Rocketry.

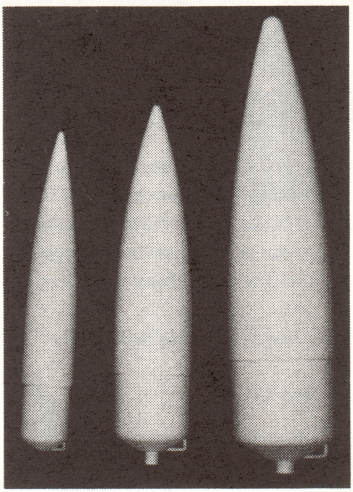
Product Number	Length	Inside Diameter	Outside Diameter	Wall Thickness
BT-1.52-34	34"	1.520"	1.630"	.055"
BT-1.52-17	17"	1.520"	1.630"	.055"
BT-2.14-34	34"	2.140"	2.260"	.060"
BT-2.6-10	10"	2.560"	2.630"	.035"
BT-2.6-15	15"	2.560"	2.630"	.035"
BT-2.6-30	30"	2.560"	2.630"	.035"
BT-3.9-11	11"	3.898"	3.998"	.050"
BT-3.9-34	34"	3.898"	3.998"	.050"



High Strength Motor Tubes

High strength and light-weight motor tubes made to the rigid specifications needed for High Power Rocketry.

Product Number	Length	Inside Diameter	Outside Diameter	Wall Thickness
MT-.95	34"	.95"	1.00"	.025"
MT-1.14	34"	1.14"	1.21"	.035"
MT-1.52	34"	1.520"	1.630"	.055"
MT-2.14	34"	2.140"	2.260"	.060"



Launch Lugs

These tubes are made with a smooth finish. Sold in sets of three.

Product Number	Fits Launch Rod Size	Length
LL-.25	1/4"	4"
LL-.5	1/2"	6"

Nose Cones

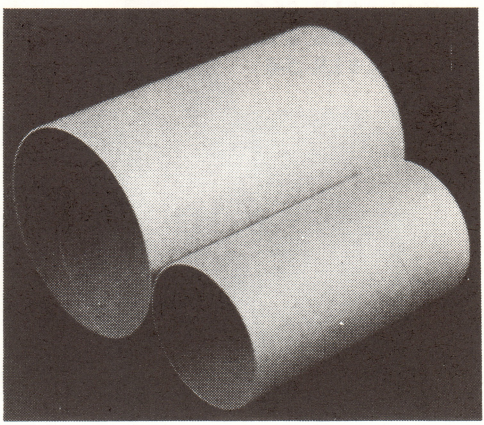
Durable one piece, plastic, nose cones.

Product Number	Length	Fits Inside
PNC-1.52	8"	BT-1.5
PNC-2.14	13"	BT-2.14
PNC-2.6	9"	BT-2.6
PNC-3.9	13"	BT-3.9

Tube Couplers

Smoothly fitting tube couplers connect our body tubes together.

Product Number	Length	Fits Inside Body Tube
TC-1.14	4"	BT-1.14
TC-1.52	4"	BT-1.52
TC-2.14	5"	BT-2.14
TC-2.6	5"	BT-2.6
TC-3.9	6"	BT-3.9

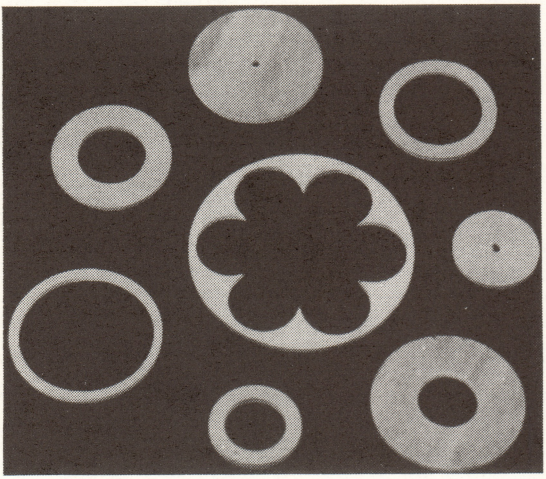


Payload Couplers

Smoothly fitting payload couplers to connect a payload to our body tubes. Complete with tube coupler, screw eye, and bulkhead.

Product Number	Length	Fits Inside Body Tube
PC-1.14	4"	BT-1.14
PC-1.52	4"	BT-1.52
PC-2.14	5"	BT-2.14
PC-2.6	5"	BT-2.6
PC-3.9	6"	BT-3.9

Centering Rings
Centering rings are made from 1/8" aircraft grade plywood for single and multiple motor rockets. Sold separately.



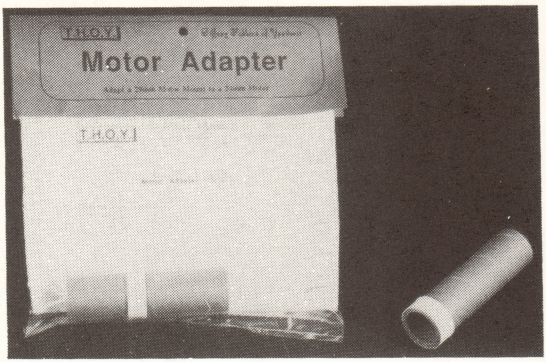
Product #	Tube	Motor	Number of Motors
CR1-1.5-.95	1.5"	24mm	1
CR1-2.6-.95	2.6"	24mm	1
CR3-2.6-.95	2.6"	24mm	3
CR1-2.6-1.14	2.6"	29mm	1
CR1-2.6-1.52	2.6"	38mm	1
CR1-2.6-2.14	2.6"	54mm	1
CR1-3.9-1.14	3.9"	29mm	1
CR3-3.9-1.14	3.9"	29mm	3
CR7-3.9-1.14	3.9"	29mm	7
CR1-3.9-1.52	3.9"	38mm	1
CR1-3.9-2.14	3.9"	54mm	1

Parachutes
Nylon parachutes with high shroud line count for a good canopy shape.

Product Number	Size	Number of Shroud Lines
P-18	18"	8
P-36	36"	16
P-24	24"	8
P-44	44"	16
P-28	28"	8

Motor Adapter
Motor Adapters allows the use of smaller diameter motors in a larger motor tube.

Product Number	Motor Size	Fits Motor Tube
MA-1.14-.9	24mm.	BT-1.14
MA-2.14-1.14	29mm.	BT-2.14
MA-1.52-1.14	29mm.	BT-1.52
MA-2.14-1.52	38mm.	BT-2.14



Shock Cord
Elastic belting for recovery shock cord. Sold by the yard.

Product Number	Width
SC-.25	1/4"
SC-.75	3/4"
SC-.375	3/8"
SC-1	1"
SC-.5	1/2"

Screw Eye

Product #	Length	Thread Dia.	Loop Dia.
SE-1	2"	1/4"	1"

THOY

Tiffany Hobbies of Ypsilanti

P.O. Box 467, Ypsilanti, MI 48197
Phone/Fax 313-741-0847

TO:
Randy King
220 Pine St.
Imlay City, MI
48444

Price List

TIFFANY HOBBIES OF YPSILANTI
P.O. Box 467, Ypsilanti, MI 48197

THOY

Tiffany Hobbies of Ypsilanti

P.O. Box 467, Ypsilanti, MI 48197 Phone 313-741-0847
Fax 313-741-0847

RETAIL PRICE LIST

Effective May 1, 1991

Name:
Address:
City, State:

Ship to:
Shipping Address:
City, State:

	Description	Part #	List	Qnt.	Total
	Sparrow Hawk	PK-101	28.95		
	Ibis	PK-201	39.95		
	Peacock	PK-301	39.95		
	Snipe	PK-501	37.95		
	Robin	PK-802	20.95		
	Wren	PK-902	21.95		
NEW	Wasp	PK-205	29.95		
	Phoenix	SK-103	61.95		
NEW	Night Hawk	PK-104	64.95		
NEW	Falcon	PK-105	62.95		
	Body Tubes	BT-1.5-17	1.95		
		BT-1.5-34	3.75		
		BT-2.6-10	1.35		
		BT-2.6-30	3.75		
		BT-3.9-11	2.15		
		BT-3.9-17	3.05		
		BT-3.9-34	5.95		
	Motor Tubes	MT-.95	2.40		
		MT-1.14	2.75		
		MT-1.52	3.75		
		MY-2.14	4.50		
	Launch Lug	LL-.25	0.50		
	Per Three	LL-.5	0.90		
	Tube Couplers	TC-1.52	0.90		
		TC-2.14	1.00		
		TC-2.6	1.40		
		TC-3.9	2.15		
NEW	Payload Couplers	PC-1.52	2.40		
NEW		PC-2.14	2.40		
NEW		PC-2.6	2.80		
NEW		PC-3.9	3.65		

Description	Part #	List	Qnt.	Total	
Nose Cone	PNC-1.5	6.95			
	PNC-2.6	8.95			
	PNC-3.9	13.95			
Centering	CR1-1.5-.95	0.80			
Rings	CR1-2.6-.95	0.95			
	CR3-2.6-.95	1.10			
	CR1-2.6-1.14	0.95			
	CR1-2.6-1.52	1.00			
	CR1-2.6-2.14	1.00			
	CR1-3.9-1.14	1.15			
	CR3-3.9-1.14	1.30			
	CR7-3.9-1.14	1.40			
	CR1-3.9-1.52	1.20			
	CR1-3.9-2.14	1.20			
Parachute	P-18	5.50			
	P-24	6.50			
	P-28	7.75			
	P-36	11.50			
	P-44	15.50			
Shock Cord	SC-.25	0.65			
Per yd.	SC-.375	0.77			NEW
	SC-.5	0.90			
	SC-.75	1.25			NEW
	SC-1	1.55			
Screw Eye	SE-1	0.50			
Launch Pad	LP-102	24.95			
Launch Rod	LR-102	14.95			
	LR-202	32.95			
Motor Adapter	MA-1.14-.9	1.55			
	MA-1.52-1.14	2.25			
	MA-2.14-1.14	2.75			
	MA-2.14-1.52	3.00			

* Note prices subject to change without notice.

Minimum order is $15.00

Subtotal	
Michigan Sales Tax	
Shipping & Handling	
Total	

Ordering Information

Minimum order is $ 10.00

Please use our order form when making an order.
New order forms will be sent with each purchase.

Shipping and Handling

$ 10.00 - $ 20.00	Add $ 4.50
$ 20.01 - $ 40.00	Add $ 5.75
$ 40.01 - $ 70.00	Add $ 7.75
$ 70.01 - $ 140.00	Add $10.00
$ 140.01 and up	Add 8 %

Please make checks payable to Tiffany Hobbies of Ypsilanti.

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Catalog 1992 $2.00

Manufacturer of Model Rocket Kits

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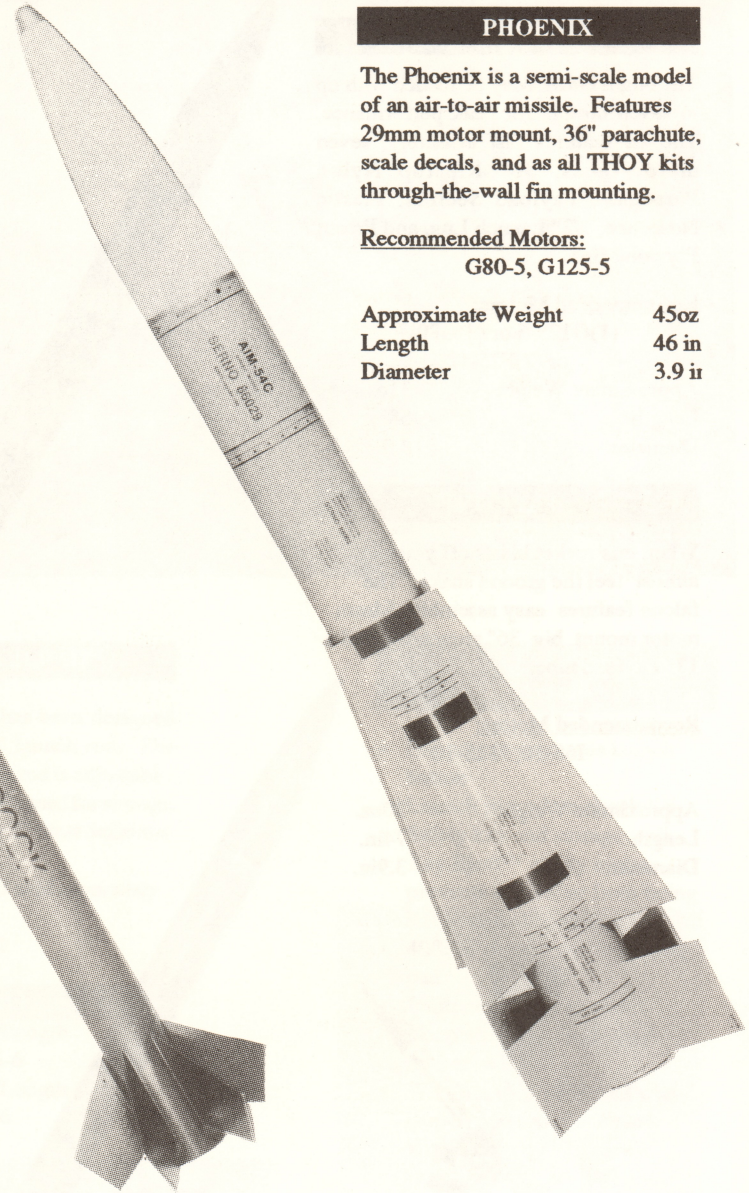

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